

Amendments to the claims

Claim 1 (currently renumbered): A process for purifying $\text{CF}_3\text{CFHCF}_3$ comprising distilling a mixture comprising $\text{CF}_3\text{CFHCF}_3$, $\text{CF}_3\text{CF}_2\text{CF}_2\text{H}$, and at least one chlorofluorocarbon to form a solution comprising $\text{CF}_3\text{CFHCF}_3$.

Claim 2 (currently renumbered and amended): The process of claim ~~35~~ 1 wherein the at least one chlorofluorocarbon comprises C_3ClF_7 .

Claim 3 (currently renumbered and amended): The process of claim ~~35~~ 1 wherein the mixture comprises a mole ratio of the chlorofluorocarbon to the $\text{CF}_3\text{CFHCF}_3$ of from about 0.1 to about 10.

Claim 4 (currently renumbered and amended): The process of claim ~~37~~ 3 wherein the mixture comprises a mole ratio of the chlorofluorocarbon to the $\text{CF}_3\text{CFHCF}_3$ of at least about 1:2.

Claim 5 (currently renumbered): A process for purifying chlorofluorinated compounds comprising:

providing a reaction product comprising HCl, HF, and a C-3 chlorofluorinated compound;

phase separating the reaction product into three phases; a gas phase comprising the HCl, a top liquid phase comprising the HF, and a bottom liquid phase comprising the C-3 chlorofluorinated compound; and

removing the bottom liquid phase to form a solution comprising the C-3 chlorofluorinated compound.

Claim 6 (currently renumbered and amended): The process of claim ~~72~~ 5 wherein the C-3 chlorofluorinated compound comprises C_3F_7Cl .

Claim 7 (currently renumbered and amended): The process of claim ~~72~~ 5 wherein the phase separating comprises altering the reaction product temperature to a temperature of from about 20°C to about 75°C.

Claim 8 (currently renumbered and amended): The process of claim ~~74~~ 7 wherein the temperature is about 25°C.